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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/600,382 | 06/20/2003 | Brian J. Cragun | ROC920030127US1 | 8521 |

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IBM CORPORATION, INTELLECTUAL PROPERTY LAW
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| EXAMINER | |
|---|---|
| PONIKIEWSKI, TOMASZ | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2165 | |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/600,382 | CRAGUN ET AL. | |
| | Examiner | Art Unit | |
| | Tomasz Ponikiewski | 2165 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *21 February 2008*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *10,13,14,22 and 28* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *10,13,14,22 and 28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

**DETAILED ACTION**

1. The Amendment filed on 2/21/08 has been received and entered. Claims 1, 3, 6, 8, 9, 12, 15, 17, 19, 20, 21 and 25 have been canceled. Therefore, claims 10, 13, 14, 22 and 28 are now pending.

***Claim Rejections - 35 USC § 103***

2. Claims 10, 13-14, 22 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chatterjee et al. (US 7,162,691 B1) in view of Dobrowski et al. (US 7,152,072 B2).

As per claim 10 Chatterjee et al. is directed to a computer implemented method of managing annotations for a plurality of different type data objects, comprising:

receiving a set of parameters identifying an annotated data object, wherein the identifying parameters identify locations of the annotated data object (Chatterjee et al., column 1, lines 42-47);

selecting, based on the set of identifying parameters, a mapping from a plurality of mappings, each containing a different set of mapping functions (Chatterjee et al., column 5, lines 30-35); and

creating an index for the annotated data object by mapping the identifying parameters to columns in an index table, as specified by the mapping functions of the selected mapping, (Chatterjee et al., column 1, lines 38-40; column 6, lines 44-51).

Chatterjee et al. does not explicitly teach wherein the mapping functions for each mapping are designed to map a different set of identifying parameters to columns in the index table.

Chatterjee et al. does teach mappings depending on media type association (Chatterjee et al., column 1, lines 42-46; column 3, lines 48-50)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to mappings depending on media type association because Chatterjee et al. teaches different media types wherein different media-types could contain different amount and type of parameters (Chatterjee et al., column 4, lines 56-62).

Chatterjee et al. does not teach wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column.

Dobrowski et al. does teach wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column (Dobrowski et al.; figure 4, column 8, lines 44-47).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Chatterjee et al. by teachings of Dobrowski et al. to include wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column because entering parameters into one column clusters information about the object in efficient manner.

As per claim 13 Chatterjee et al. as modified is directed to wherein the more than one identifying parameters are mapped to different sets of bytes in the single column (Dobrowski et al.; figure 4, wherein each line is different sets of bytes).

As per claim 14 Chatterjee et al. as modified is directed to at least one of the mappings comprises mapping functions for mapping parameters identifying annotated data objects associated with a database to the index table columns (column 1, lines 38-40),

at least one of the mappings comprises mapping functions for mapping parameters identifying annotated data objects associated with a text document to the index table columns (column 1, lines 41-50).

As per claim 22 Chatterjee et al. as modified still is directed to wherein at least one of the mappings comprises mapping functions for mapping parameters identifying data objects associated with a text document to the index table columns (column 1, lines 41-50).

As per claim 28 Chatterjee et al. is directed to a computer implemented method of managing annotations for a plurality of different type data objects, comprising:

receiving a set of parameters identifying an annotated data object, wherein the identifying parameters identify locations of the annotated data object (Chatterjee et al., column 1, lines 42-47);

selecting, based on the set of identifying parameters, a mapping from a plurality of mappings, each containing a different set of mapping functions, wherein at least one of the mappings comprises mapping functions for mapping parameters identifying annotated data objects associated with a database to the index table columns, and at least one of the mappings comprises mapping functions for mapping parameters identifying annotated data objects associated with a text document to the index table columns (Chatterjee et al., column 5, lines 30-35); and

creating an index for the annotated data object by mapping the identifying parameters to columns in an index table, as specified by the mapping functions of the selected mapping (Chatterjee et al., column 1, lines 38-40; column 6, lines 44-51).

Chatterjee et al. does not explicitly teach wherein the mapping functions for each mapping are designed to map a different set of identifying parameters to columns in the index table.

Chatterjee et al. does teach mappings depending on media type association (Chatterjee et al., column 1, lines 42-46; column 3, lines 48-50)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to mappings depending on media type association because Chatterjee et al. teaches different media types wherein different media-types could contain different amount and type of parameters (Chatterjee et al., column 4, lines 56-62).

Chatterjee et al. does not teach wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column.

Dobrowski et al. does teach wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column (Dobrowski et al.; figure 4, column 8, lines 44-47).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Chatterjee et al. by teachings of Dobrowski et al. to include wherein the mapping functions of at least one of the mappings maps more than one identifying parameter to a single column because entering parameters into one column clusters information about the object in efficient manner.

***Response to Amendment***

3. The status of claims marked as allowable in the actions mailed on 10/05/07 has been withdrawn. After a thorough review and search the subject matter of the claims is not considered to be patentably distinct over the new reference (Dobrowski et al.)

***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tomasz Ponikiewski whose telephone number is (571) 272-1721. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christian Chace can be reached on (571)272-4190. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tomasz Ponikiewski/
Examiner, Art Unit 2165

/Christian P. Chace/
Supervisory Patent Examiner, Art Unit 2165